THERMOCHIMICA ACTA, VOLUME 128 (1988)

# AUTHOR INDEX


Abdel-Hamid, O.H. 75
Abdel Moez, M.S. 81
Abdel-Nabby, B.A. 75
Agrawal, R.K. 185
Alvarez-Ossorio, A. 9

Baucells, M. 21
Bhat, S.G.T. 115
Bhatt, B.D. 115
Botto, I.L. 311
Branda, F. 39
Buri, A. 39
Bylicki, A. 93

Carstens, P.A.B. 237
Casale, A. 261
Casanova, C. 209
Cerdá, V. 9, 21
Chan, H.S.O. 175
Chanh, N.B. 45
Chiam, C.S.M. 175
Claudy, P. 251
Cobos, J.C. 209
Commerçon, J.C. 251
Cordfunke, E.H.P. 31
Courchinoux, R. 45
Cuevas-Diarte, M.A. 45

De Marco, D. 127
De Robertis, A. 261
De Stefano, C. 261

Eid, M.F. 81
El-Shetary, B.A. 81

Forteza, R. 9, 21

García, I. 209
Garg, V.N. 115
Gierycz, P. 93
Gomaa, E.A. 99
González, J.A. 209
Györyová, K. 1

Haget, Y. 45
Hor, T.S.A. 175

Jasra, R.V. 115

Khadikar, P.V. 55
Kirchhoff, W.H. 267
Knoetze, T.P. 237
Kok Hwa Lim, 175
Konings, R.J.M. 31
Kotnour, K.D. 215

Lacort, G. 21
Lesnikovich, A.I. 69, 297
Létoffé, J.M. 251
Lumbiarres, X. 9

Mahapatra, S. 305
Marotta, A. 39
Masoud, M.S. 75
Masuda, Y. 225
Mateo, M.D. 21
Mukherjee, R.N. 301

Nour El-Dien, F.A. 105

Oms, M.T. 9

Patel, R.D. 149
Patel, R.G. 141, 149
Patel, S.P. 141
Patel, V.S. 141, 149
Plesnar, Z. 93
Prasad, T.P. 305

Ramis, G. 9
Roura, M. 21

Sapre, N.S. 55
Sawada, K. 225
Schalamuk, I.B.A. 311
Schwarz, F.P. 267
Shankar, S. 301
Shastri, B.B.S. 301
Skoršepa, J. 1
Slanina, Z. 157
Soliman, E.M. 75
Suzuki, T. 225

Tauler, E. 45

Van Vuuren, C.P.J. 237
Vyazovkin, S.V. 69, 297

Westrum, E.F., Jr. 31
Wilfong, D.L. 215

Yamada, T. 225

Zayed, M.A. 105
Zidan, F.I. 81

# THERMOCHIMICA ACTA, VOLUME 128 (1988)

## SUBJECT INDEX


Acetoacetanilidehydrazone complexes,
thermodynamic and spectrophotometric studies of acetoacetanilidehydrazone complexes of Cu(II), Ni(II) and Co(II) metal ions (Abdel Moez et al.) 81

Acetylpyridines,
thermogravimetric studies on the addition compounds of cobalt and nickel dithiophosphinates with picolines and acetylpyridines (Mukherjee et al.) 301

AgBr,
theoretical contribution of solvation of AgBr in some organic solvents at 25 °C (Gomaa) 99

Aliphatic amines,
mass spectral studies on the thermal desorption of aliphatic amines from the surface of Y-type zeolites (Jasra et al.) 115

Alkanone–chloroalkane,
thermodynamics of binary mixtures of alkanone–chloroalkane. I. Heat of mixing of n-alkanone–1-chlorohexadecane mixtures at 298.15 K (García et al.) 209

n-Alkanone–1-chlorohexadecane,
thermodynamics of binary mixtures of alkanone–chloroalkane. I. Heat of mixing of n-alkanone–1-chlorohexadecane mixtures at 298.15 K (García et al.) 209

Amidic ligands,
activation energy studies on complexes of uranyl fluoride with amidic ligands (Carstens et al.) 237

Atomic absorption cold vapour technique,
a comparative study of a kinetic–thermometric method and the atomic absorption cold vapour technique for determination of mercury traces and ultratraces (Mateo et al.) 21

Automatic thermometric titrations,
VALTER, a computing program for automatic thermometric titrations (Cerdá et al.) 9

Cadmium chloride,
thermal decomposition of solid complexes of cadmium chloride with substituted pyridines (Masuda et al.) 225

Cesium metaborate,
the thermodynamic properties of cesium metaborate $CsBO_2$ from 5 to 1000 K (Cordfunke et al.) 31

Cobalt amino acid complexes,
the behaviour of some cobalt, nickel and copper amino acid complexes at different temperatures (Masoud et al.) 75

Cobalt dithiophosphinate,
thermogravimetric studies on the addition compounds of cobalt and nickel dithiophosphinates with picolines and acetylpyridines (Mukherjee et al.) 301

Complexing ability of pesticides,
complexing ability of pesticides and related compounds. Thermodynamic parameters for the formation of $H^+$, $Na^+$ and $Ca^{2+}$ complexes with 2,4-dichlorophenoxyacetate in aqueous solution at different temperatures and ionic strengths (Casale et al.) 261

Copper amino acid complexes,
the behaviour of some cobalt, nickel and copper amino acid complexes at different temperatures (Masoud et al.) 75

Cured epoxy resins,
kinetics of thermal degradation of cured epoxy resins based on triglycidyl-*p*-aminophenol (Patel et al.) 149

Cyano compounds,
thermal analysis of some cyano compounds. Part II. Thermal behaviour of mixed $KLnFe(CN)_6 \cdot 4H_2O$ (Ln = La(III), Ce(III), Nd(III)) (De Marco) 127

Degree of transformation,
interpretation of the dependence of the effective values of kinetic parameters on the degree of transformation (Vyazovkin, Lesnikovich) 69

Desorption of aliphatic amines,
mass spectral studies on the thermal desorption of aliphatic amines from the surface of Y-type zeolites (Jasra et al.) 115

2,4-Dichlorophenoxyacetate,
complexing ability of pesticides and related compounds. Thermodynamic parameters for the formation of $H^+$, $Na^+$ and $Ca^{2+}$ complexes with 2,4-dichlorophenoxyacetate in aqueous solution at different temperatures and ionic strengths (Casale et al.) 261

Glass transition of glycerol,
quasi-static study of the glass transition of glycerol by DSC (Claudy et al.) 251

Guar gum esters,
kinetic study of thermal degradation of guar gum esters (Patel et al.) 141

Irreversible complex chemical reactions,
analysis of irreversible complex chemical reactions and some observations on their overall activation energy (Agrawal) 185
Isomeric interplay,
thermodynamic and kinetic consequences of isomeric interplay (Slanina) 157
Iodine,
comparative study of the redox reactions between iodine and phenol derivatives, through correlation between thermal analysis and thermodynamic calculations from kinetic data (Zayed, Nour El-Dien) 105
Iron(II) sulphate heptahydrate,
solid-state hydrolysis of iron(II) sulphate heptahydrate (Mahapatra, Prasad) 305
Isoconversional calculation,
estimation of the pre-exponential factor in the isoconversional calculation of effective kinetic parameters (Vyazovkin, Lesnikovich) 297

Kinetic–thermometric method,
a comparative study of a kinetic–thermometric method and the atomic absorption cold vapour technique for determination of mercury traces and ultratraces (Mateo et al.) 21
$KLnFe(CN)_6 \cdot 4H_2O$ (Ln = La(III), Ce(III), Nd(III)),
thermal analysis of some cyano compounds. Part II. Thermal behaviour of mixed $KLnFe(CN)_6 \cdot 4H_2O$ (Ln = La(III), Ce(III), Nd(III)) (De Marco) 127

Malato-aquo complex of thallium(III),
thermal decomposition of the malato-aquo complex of thallium(III): the mechanism of thermal dehydration of thallium(III) malate trihydrate (Khadikar, Sapre) 55
Mercury traces and ultratraces
a comparative study of a kinetic–thermometric method and the atomic absorption cold vapour technique for determination of mercury traces and ultratraces (Mateo et al.) 21

Nagyagite,
the thermal decomposition of nagyagite (Botto, Schalamuk) 311
Nickel amino acid complexes,
the behaviour of some cobalt, nickel and copper amino acid complexes at different temperatures (Masoud et al.) 75
Nickel dithiophosphinate,
thermogravimetric studies on the addition compounds of cobalt and nickel dithiophosphinates with picolines and acetylpyridines (Mukherjee et al.) 301
Nucleation in glasses,
a new parameter to evaluate nucleation in glasses from DTA curves (Branda et al.) 39

n-Octane,
vapour–liquid equilibrium and solid–liquid equilibrium in the system formed by 1-octanol and n-octane (Plesnar et al.) 93
1-Octanol,
vapour–liquid equilibrium and solid–liquid equilibrium in the system formed by 1-octanol and n-octane (Plesnar et al.) 93

Phenol derivatives,
comparative study of the redox reactions between iodine and phenol derivatives, through correlation between thermal analysis and thermodynamic calculations from kinetic data (Zayed, Nour El-Dien) 105
Picolines,
thermogravimetric studies on the addition compounds of cobalt and nickel dithiophosphinates with picolines and acetylpyridines (Mukherjee et al.) 301
Polyethylene crystallization,
designed experiment for polyethylene crystallization by DSC (Wilfong, Kotnour) 215

Redox reactions,
comparative study of the redox reactions between iodine and phenol derivatives, through correlation between thermal analysis and thermodynamic calculations from kinetic data (Zayed, Nour El-Dien) 105
Ribonuclease A,
biological thermodynamic data for the calibration of differential scanning calorimeters: heat capacity data on the unfolding transition of ribonuclease A in solution (Schwarz, Kirchhoff) 267
$[R_3S]^+$ cation,
kinetics of thermal decomposition of the tetracyano complexes of some transition metals containing the $[R_3S]^+$ cation (Györyová, Skoršepa) 1

"Shape factors",
use of the "shape factors" as an empirical method to determine the actual characteristic temperatures of binary phase diagrams by differential scanning calorimetry (Courchinoux et al.) 45

Solid–liquid equilibrium,
vapour–liquid equilibrium and solid–liquid equilibrium in the system formed by 1-octanol and n-octane (Plesnar et al.) 93
Solid-state hydrolysis,
solid-state hydrolysis of iron(II) sulphate heptahydrate (Mahapatra, Prasad) 305
Solvation of AgBr,
theoretical contribution of solvation of AgBr in some organic solvents at 25 °C (Gomaa) 99
Substituted pyridines,
thermal decomposition of solid complexes of cadmium chloride with substituted pyridines (Masuda et al.) 225

Tetracyano complexes of some transition metals,
kinetics of thermal decomposition of the tetracyano complexes of some transition metals containing the $[R_3S]^+$ cation (Györyová, Skoršepa) 1
Thallium(III) malate trihydrate,
thermal decomposition of the malato-aquo complex of thallium(III): the mechanism of thermal dehydration of thallium(III) malate trihydrate (Khadikar, Sapre) 55
Transition metal carbonyl complexes,
thermal degradation of transition metal carbonyl complexes. Part III. Thermogravimetric and differential scanning calorimetric studies of triphenylphosphine pentacarbonyls of chromium, molybdenum and tungsten (Hor et al.) 175
Triglycidyl-*p*-aminphenol,
kinetics of thermal degradation of cured epoxy resins based on triglycidyl-*p*-aminophenol (Patel et al.) 149
Triphenylphosphine pentacarbonyls,
thermal degradation of transition metal carbonyl complexes. Part III. Thermogravimetric and differential scanning calorimetric studies of triphenylphosphine pentacarbonyls of chromium, molybdenum and tungsten (Hor et al.) 175

Uranyl fluoride,
activation energy studies on complexes of uranyl fluoride with amidic ligands (Carstens et al.) 237

VALTER,
VALTER, a computing program for automatic thermometric titrations (Cerdá et al.) 9
Vapour–liquid equilibrium,
vapour–liquid equilibrium and solid–liquid equilibrium in the system formed by 1-octanol and n-octane (Plesnar et al.) 93

Y-Type zeolites,
mass spectral studies on the thermal desorption of aliphatic amines from the surface of Y-type zeolites (Jasra et al.) 115